TEST REPORT OF AGGEGRATE IMPACT VALUE
IS: 2386 Part IV

Lab ID	:	**CP-RW-2018-08-09-09** **Date: 10-08-18**
Customer	:	Assistant Executive Engineer,T Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to cement concrete roads at munikondappa layout and muneshwara nagara in Bagalagunte in Ward No.14
Agency	:	Technical Manager(West), Karnataka Rural Infrastructure Development Limited(KRIDL), Project Implementation Unit, No. 280,59th Cross road,17th C Main road, 3rd Y Block,Rajajinagara, Bangalore-560010
Customer Reference	:	BBMP/EE/DD/WO/373/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	09-08-18
Sample ID No	:	2018-08-09-09/01
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)
Date of test	:	09-08-18

Sl.No	Particulars of observations	Index	TEST 1	TEST 2
1	Total weight of the surface dry sample sample (passing 12.5 mm and retained on 10mm sieve)	A	307.0	307.0
2	Weight of fraction passing 2.36mm sieve After giving 15 blows	B	86.0	71.0
3	weight of fraction retained 2.36mm sieve After giving 15 blows	C	220.7	235.5
4	Total weight of (B+C) is less than the initial weight (Weight A) by more than one gram the result shall be discarded and a fresh test made.	A-(B+C)	0.3	0.5
5	Aggregate impact value	(B/A)*100	28.0	23.1
6	Aggregate impact value (Mean of two tests)	Pecentage	25.6	

Note:-

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid.
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ ವಿಧಾನಸಭೆ
ಬೆಂಗಳೂರು

CIVIL PRO BANGALORE Date.....

End of Report

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

DETERMINATION OF FLAKINESS INDEX AND ELONGATION INDEX OF COARSE AGGREGATE(IS 2386 (Part 1) 1963 (RA 2007)

Lab ID	:	**CP-RW-2018-08-09-09** **Date: 10-08-18**
Customer	:	Assistant Executive Engineer,T Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to cement concrete roads at munikondappa layout and muneshwara nagara in Bagalagunte in Ward No.14
Agency	:	Technical Manager(West), Karnataka Rural Infrastructure Development Limited(KRIDL), Project Implementation Unit, No. 280,59th Cross road,17th C Main road, 3rd Y Block,Rajajinagara, Bangalore-560010
Customer Reference	:	BBMP/EE/DD/WO/373/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	09-08-18
Sample ID No	:	2018-08-09-09/01
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)
Date of test	:	09-08-18

Result:

Index	Percentage of Flakiness and Elongation Index	Secified limits as per MORTH specification table 400-12
Flakiness Index	17.3%	Combined Flakiness & Elongation Index for WMM is Maximum 35%
Elongation Index	16.8%	
Combined Flakiness and Elongation Index for WMM	34.1%	

Note:-
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid.
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

CIVIL PRO Sig..... Date..... BANGALORE

End of Report

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2018-08-07-08** **Date: 10-08-18**
Customer	:	Assistant Executive Engineer,T Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to cement concrete roads at munikondappa layout and muneshwara nagara in Bagalagunte in Ward No.14
Agency	:	Technical Manager(West), Karnataka Rural Infrastructure Development Limited(KRIDL), Project Implementation Unit, No. 280,59th Cross road,17th C Main road, 3rd Y Block,Rajajinagara, Bangalore-560010
Customer Reference	:	BBMP/EE/DD/WO/373/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-08-18
Sample ID No	:	2018-08-07-08 /02(b)
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	07-08-18

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	255	255	5.1	94.9	90-100
3	10 mm	2789	3044	60.9	39.1	25-55
4	4.75 mm	1545	4589	91.8	8.2	0-10
5	Pan	411	5000	100	0	–

CIVIL PRO BANGALORE Sig..... Date.....

CIVIL PRO
AN ISO 9001 : 2008 COMPANY &NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST RESULTS OF STEEL

Lab ID	:	**CP-2018-08-07-08** **Date: 09-08-18**
Customer	:	Assistant Executive Engineer,T Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to cement concrete roads at munikondappa layout and muneshwara nagara in Bagalagunte in Ward No.14
Agency	:	Technical Manager(West), Karnataka Rural Infrastructure Development Limited(KRIDL), Project Implementation Unit, No. 280,59th Cross road,17th C Main road, 3rd Y Block,Rajajinagara, Bangalore-560010
Customer's Reference	:	BBMP/EE/DD/WO/373/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-08-18
Sample ID No	:	2018-08-07-08 /04
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	07-08-18

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.393	531	642	21.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.611	549	659	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.881	557	662	20.0%	Satisfactory	Satisfactory

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL PRO Sig... Date..... BANGALORE

End of Report

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-08-20-06** **Date: 23/08/2018**

Customer : Assistant Executive Engineer,T Dasarahalli Sub Division, BBMP, Bangalore.

Address : T Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to cement concrete roads at munikondappa layout and muneshwara nagara in Bagalagunte in Ward No.14

Agency : Technical Manager(West), Karnataka Rural Infrastructure Development Limited(KRIDL), Project Implementation Unit, No. 280,59th Cross road,17th C Main road, 3rd Y Block,Rajajinagara, Bangalore-560010

Customer's Reference : BBMP/EE/DD/WO/373/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 20-08-18

Sample ID No : 2018-08-20-06 /07

Customer ID : C C Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/08/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	C C Pavement	M30	16/08/2018	23/08/2018	150.14 X 149.80 X 150.76	22491	8.200	561.3	25.0	24.8
2	C C Pavement	M30	16/08/2018	23/08/2018	149.68 X 149.65 X 151.26	22400	8.427	541.8	24.2	
3	C C Pavement	M30	16/08/2018	23/08/2018	149.41 X 150.65 X 150.36	22510	8.107	566.2	25.2	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

CIVIL PRO Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2018-08-20-06** **Date: 24/08/2018**

Customer : Assistant Executive Engineer,T Dasarahalli Sub Division, BBMP, Bangalore.

Address : T Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to cement concrete roads at munikondappa layout and muneshwara nagara in Bagalagunte in Ward No.14

Agency : Technical Manager(West), Karnataka Rural Infrastructure Development Limited(KRIDL), Project Implementation Unit, No. 280,59th Cross road,17th C Main road, 3rd Y Block,Rajajinagara, Bangalore-560010

Customer's Reference : BBMP/EE/DD/WO/373/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 20-08-18

Sample ID No : 2018-08-20-06 /11

Customer ID : C C Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/08/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	C C Pavement	M30	17/08/2018	24/08/2018	151.37 X 150.04 X 151.36	22711	8.151	578.4	25.5	24.9
2	C C Pavement	M30	17/08/2018	24/08/2018	150.86 X 149.69 X 149.57	22583	8.165	563.7	25.0	
3	C C Pavement	M30	17/08/2018	24/08/2018	149.90 X 151.04 X 150.92	22641	8.332	549.6	24.3	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

CIVIL PRO BANGALORE Sig..... Date.....

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****